

1011-47-109

Elias Katsoulis*, Department of Mathematics, East Carolina University, Greenville, NC, and
David Kribs, Department of Mathematics, University of Guelph. *Tensor algebras of*
 C^ -correspondences and their C^* -envelopes.*

We show that the C^* -envelope of the tensor algebra of an arbitrary C^* -correspondence X coincides with the Cuntz-Pimsner algebra O_X , as defined by Katsura. This improves earlier results of Muhly and Solel and Fowler, Muhly and Raeburn, who came to the same conclusion under the additional hypothesis that X is strict and faithful. (Received August 19, 2005)